AUTHOR INDEX

Allan, J.R. 355
Arnold, M. 195

Balabanovich, A.I. 427
Baláž, P. 371
Bastl, Z. 371
Bayer, G. 215
Besher, E.M. 1
Bilbao, R. 401
Bowley, B. 309

Cárdenas T., G. 361
Caro, A. 467
Cerdà, V. 467
Chang, F.-C. 293
Curini, R. 169

D'Ascenzo, G. 169
Davis, M.I. 15
Della Gatta, G. 41
De Marco, D. 109
Diaz, F.R. 281
Dorofeeva, O.V. 121
Dyer, A. 299

Enamy, H. 299
Estela, J.M. 467

Forteza, R. 467
Fox, K. 33

Gaponik, P.N. 427
Gardner, P.J. 63
Gavrichev, K.S. 87
Giannetto, A. 109
Gu, P. 309

Hill, J.O. 187
Hutchinson, E.J. 309

Ihara, Y. 327
Ishii, T. 335
Ivashkevich, O.A. 427

Jóźwiak, M. 99

Kamińska-Bartel, L. 99
Kerridge, D.H. 379
Kim, S.J. 33

Lazarev, V.B. 87
Leinweber, P. 151
Lesnikovich, A.I. 427
Leu, A.-L. 293
Levchik, S.V. 427
Lielmezs, J. 1
Linert, W. 109

Málek, J. 257
Marino, A. 169
Materazzi, S. 169
Millera, A. 401
Moreno-Carretero, M.N. 271
Murillo, M.B. 401

Nadtochiy, Y.G. 87
Nagata, I. 475
Naride, S. 327
Nguyen, C. 309

Pacewska, B. 205, 387
Pan, W.-P. 309
Paulik, F. 195
Paulik, J. 195
Post, E. 371
Preston, S.R. 63
Pysiak, J. 205

Reich, L. 349
Rodante, F. 47
Romero-Molina, M.A. 271

Salas-Peregrín, J.M. 271
Sánchez-Sánchez, M.P. 271
Sano, M. 475
Schulten, H.-R. 151
Shaplygin, I.S. 87
Shimada, S. 317
Slanina, Z. 33
Somsen, G. 41
Suga, H. 71

Tagle, L.H. 281
Tagle D., L.H. 361
Taniewska-Osińska, S. 99
Torra, V. 413
Tsukushi, I. 71

Uehara, A. 327

Vyazovkin, S. 461

Wells, C.F. 443
Wiedemann, H.G. 215
Wu, T.-S. 293

Yamamuro, O. 71
Yu, B.L. 299

Zhang, M. 309

SUBJECT INDEX

Acceptor
Thermodynamic relationships of complex formation. Part 5. Isoequilibrium relationships in soft–soft interactions in hard solvents (De Marco et al.) 109
Activation energy
Determination of the activation energy for a decomposition reaction from a single DSC curve (Wu et al.) 293
Alizarin S
Kinetic determination of manganese by its catalytic effect on the oxidation of Alizarin S by hydrogen peroxide (Estela et al.) 467
Alloy
Shape memory alloys: from high-resolution thermal analysis to predictive modelling and simulation (Torra) 413
Alumina
Some physicochemical properties of aluminium oxides obtained from basic aluminium sulphates (Pacewska) 387
Amino acid
Thermodynamics and kinetics of decomposition processes for standard α-amino acids and some of their dipeptides in the solid state (Rodante) 47
Amorphization
Solid-state formation and amorphization of the inclusion compound tri-*O*-methyl-β-cyclodextrin–benzoic acid (Tsukushi et al.) 71
Amphiphile
Partial excess molar properties of water in amphiphile + water systems (Davis) 15
Angular and radial temperature profiles
Angular and radial temperature profiles in the thermal decomposition of wood (Bilbao et al.) 401
Aniline
Thermodynamics of associated solutions involving aniline and ethanol (Nagata, Sano) 475
Arrhenius
Thermogravimetric studies of metal (styrene–methyl methacrylate) copolymers. Part 5 (Cárdenas T., Tagle D.) 361
Kinetic information and models used for its extraction (Vyazovkin) 461
Atmosphere
A computational evaluation of altitude profiles of the equilibrium monomeric–dimeric CO_2 fractions in the atmosphere of Venus (Slanina et al.) 33
Thermoanalytical study on surface reactivity and characterization of oxide powders at elevated temperatures (Ishii) 335
Basic aluminium sulphate
Some physicochemical properties of aluminium oxides obtained from basic aluminium sulphates (Pacewska) 387
BET
Thermoanalytical study of mechanically activated cinnabar (Baláž et al.) 371
Carbon dioxide
A computational evaluation of altitude profiles of the equilibrium monomeric–dimeric CO_2 fractions in the atmosphere of Venus (Slanina et al.) 33
Catalysis
Kinetic determination of manganese by its catalytic effect on the oxidation of Alizarin S by hydrogen peroxide (Estela et al.) 467
Ceramic
Common thermal properties of high T_c oxide superconductors (Gavrichev et al.) 87
China
Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215
Cinnabar
Thermoanalytical study of mechanically activated cinnabar (Baláž et al.) 371
Clathrate
Solid-state formation and amorphization of the inclusion compound tri-*O*-methyl-β-cyclodextrin–benzoic acid (Tsukushi et al.) 71
Clay
Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215
Complex
A thermoanalytical approach to the interpretation of the proposed isomerism of some nickel(II) benzimidazole complexes (Curini et al.) 169

Thermal analysis applied to the study of metal complexes: thermal behaviour of 6-amino-2-thiouracil and its complexes with several transition metal ions (Moreno-Carretero et al.) 271

Composite
The determination of the composition of polymeric composites using TG–FTIR (Bowley et al.) 309

Co-polymer
Thermogravimetric studies of metal (styrene–methyl methacrylate) copolymers. Part 5 (Cárdenas T., Tagle D.) 361

Correlation
Correlation for the third virial coefficient for non-polar and polar compounds using a cubic equation of state (Besher, Lielmezs) 1

Co-solvent
The stability of the proton in water + co-solvent mixtures (Wells) 443

Cyclohexanediamine
Thermal reactions of nickel(II) complexes containing optically active 1,2-cyclohexanediamine in the solid state and a comparison with those of the corresponding complexes with the racemate (Ihara et al.) 327

Database
Use of databases in thermal analysis. Part 4 (Reich) 349

Decomposition
Thermal decomposition of gypsum (Paulik et al.) 195
Thermal analysis applied to the study of metal complexes: thermal behaviour of 6-amino-2-thiouracil and its complexes with several transition metal ions (Moreno-Carretero et al.) 271
Thermogravimetric analysis of polyesters derived from terephthalic, tetrachloroterephthalic and related diacids with bisphenol A (Tagle, Diaz) 281
Determination of the activation energy for a decomposition reaction from a single DSC curve (Wu et al.) 293
Thermosonimetry and thermomicroscopy of the phase transition and decomposition of $CsClO_4$ (Shimada) 317
Some physicochemical properties of aluminium oxides obtained from basic aluminium sulphates (Pacewska) 387
Angular and radial temperature profiles in the thermal decomposition of wood (Bilbao et al.) 401

Dehydration
Thermal decomposition of gypsum (Paulik et al.) 195
Thermal analysis applied to the study of metal complexes: thermal behaviour of 6-amino-2-thiouracil and its complexes with several transition metal ions (Moreno-Carretero et al.) 271
A thermoanalytical study of the dehydration of NaA, MgNaA, CaNaA and SrNaA zeolites (Yu et al.) 299

Diacids
Thermogravimetric analysis of polyesters derived from terephthalic, tetrachloroterephthalic and related diacids with bisphenol A (Tagle, Diaz) 281

Dimer
A computational evaluation of altitude profiles of the equilibrium monomeric–dimeric CO_2 fractions in the atmosphere of Venus (Slanina et al.) 33

Dipeptide
Thermodynamics and kinetics of decomposition processes for standard α-amino acids and some of their dipeptides in the solid state (Rodante) 47

Dissociation
On methods of studying thermal dissociation of solids (Pysiak, Pacewska) 205

DMF
Enthalpies of solution of trimethylurea in water and in *N*,*N*-dimethylformamide (Della Gatta, Somsen) 41

Donor
Thermodynamic relationships of complex formation. Part 5. Isoequilibrium relationships in soft–soft interactions in hard solvents (De Marco et al.) 109

DSC
Thermodynamics and kinetics of decomposition processes for standard α-amino acids and some of their dipeptides in the solid state (Rodante) 47
Solid-state formation and amorphization of the inclusion compound tri-*O*-methyl-β-cyclodextrin–benzoic acid (Tsukushi et al.) 71
A thermoanalytical approach to the interpretation of the proposed isomerism of some nickel(II) benzimidazole complexes (Curini et al.) 169
Twenty-five years of thermochemistry research — a personal review (Hill) 187
Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215
Thermal analysis applied to the study of metal complexes: thermal behaviour of 6-amino-2-thiouracil and its complexes with

several transition metal ions (Moreno-Carretero et al.) 271
Determination of the activation energy for a decomposition reaction from a single DSC curve (Wu et al.) 293
A thermoanalytical study of the dehydration of NaA, MgNaA, CaNaA and SrNaA zeolites (Yu et al.) 299
Thermal reactions of nickel(II) complexes containing optically active 1,2-cyclohexanediamine in the solid state and a comparison with those of the corresponding complexes with the racemate (Ihara et al.) 327
Thermoanalytical study of mechanically activated cinnabar (Baláž et al.) 371

DTA
Differential thermal analysis, thermogravimetry and in-source pyrolysis-mass spectrometry studies on the formation of soil organic matter (Leinweber, Schulten) 151
Twenty-five years of thermochemistry research — a personal review (Hill) 187
Thermal decomposition of gypsum (Paulik et al.) 195
Thermosonimetry and thermomicroscopy of the phase transition and decomposition of $CsClO_4$ (Shimada) 317
Thermal reactions of nickel(II) complexes containing optically active 1,2-cyclohexanediamine in the solid state and a comparison with those of the corresponding complexes with the racemate (Ihara et al.) 327
Thermoanalytical study on surface reactivity and characterization of oxide powders at elevated temperatures (Ishii) 335

DTG
A thermoanalytical approach to the interpretation of the proposed isomerism of some nickel(II) benzimidazole complexes (Curini et al.) 169
The determination of the composition of polymeric composites using TG–FTIR (Bowley et al.) 309

EGA
Twenty-five years of thermochemistry research — a personal review (Hill) 187

Electron density
The stability of the proton in water + cosolvent mixtures (Wells) 443

Enthalpy
Enthalpies of solution of trimethylurea in water and in *N*,*N*-dimethylformamide (Della Gatta, Somsen) 41
High-temperature heat capacities of tin(II) chloroiodide and tin(II) bromoiodide (Gardner, Preston) 63
Some remarks concerning hydrophobic effects parameters (Taniewska-Osińska et al.) 99
Thermodynamic relationships of complex formation. Part 5. Isoequilibrium relationships in soft–soft interactions in hard solvents (De Marco et al.) 109

Entropy
High-temperature heat capacities of tin(II) chloroiodide and tin(II) bromoiodide (Gardner, Preston) 63
Thermodynamic relationships of complex formation. Part 5. Isoequilibrium relationships in soft–soft interactions in hard solvents (De Marco et al.) 109

Equation of state
Correlation for the third virial coefficient for non-polar and polar compounds using a cubic equation of state (Besher, Lielmezs) 1

ETA
Thermoanalytical study on surface reactivity and characterization of oxide powders at elevated temperatures (Ishii) 335

Ethanol
Thermodynamics of associated solutions involving aniline and ethanol (Nagata, Sano) 475

Excess molar enthalpy
Thermodynamics of associated solutions involving aniline and ethanol (Nagata, Sano) 475

FTIR
The determination of the composition of polymeric composites using TG–FTIR (Bowley et al.) 309

Gibbs energy
The stability of the proton in water + cosolvent mixtures (Wells) 443

Glass transition
Solid-state formation and amorphization of the inclusion compound tri-*O*-methyl-β-cyclodextrin–benzoic acid (Tsukushi et al.) 71

Gypsum
Thermal decomposition of gypsum (Paulik et al.) 195

Heat capacity
High-temperature heat capacities of tin(II) chloroiodide and tin(II) bromoiodide (Gardner, Preston) 63

Heat of solution
Some remarks concerning hydrophobic effects parameters (Taniewska-Osińska et al.) 99

Heterocycle
The thermal decomposition of tetrazoles (Lesnikovich et al.) 427

Heterocyclic
Ideal gas thermodynamic properties of oxygen heterocyclic compounds. Part 2. Six-membered, seven-membered and eight-membered rings (Dorofeeva) 121

Hydrogen bond
Some remarks concerning hydrophobic effects parameters (Taniewska-Osińska et al.) 99
Hydrogen peroxide
Kinetic determination of manganese by its catalytic effect on the oxidation of Alizarin S by hydrogen peroxide (Estela et al.) 467
Hydrophobic
Some remarks concerning hydrophobic effects parameters (Taniewska-Osińska et al.) 99
Inclusion compound
Solid-state formation and amorphization of the inclusion compound tri-*O*-methyl-β-cyclodextrin–benzoic acid (Tsukushi et al.) 71
IRS
Solid-state formation and amorphization of the inclusion compound tri-*O*-methyl-β-cyclodextrin–benzoic acid (Tsukushi et al.) 71
Isomer
Thermal reactions of nickel(II) complexes containing optically active 1,2-cyclohexanediamine in the solid state and a comparison with those of the corresponding complexes with the racemate (Ihara et al.) 327
Isomerism
A thermoanalytical approach to the interpretation of the proposed isomerism of some nickel(II) benzimidazole complexes (Curini et al.) 169
Isothermal
Use of databases in thermal analysis. Part 4 (Reich) 349
Kinetic information and models used for its extraction (Vyazovkin) 461
Thermodynamics of associated solutions involving aniline and ethanol (Nagata, Sano) 475
Jade
Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215
Kinetics
Thermodynamics and kinetics of decomposition processes for standard α-amino acids and some of their dipeptides in the solid state (Rodante) 47
On methods of studying thermal dissociation of solids (Pysiak, Pacewska) 205
The kinetic analysis of non-isothermal data (Málek) 257
Thermogravimetric analysis of polyesters derived from terephthalic, tetrachloroterephthalic and related diacids with bisphenol A (Tagle, Diaz) 281
The thermal decomposition of tetrazoles (Lesnikovich et al.) 427
Kinetic information and models used for its extraction (Vyazovkin) 461
Manganese ion
Kinetic determination of manganese by its catalytic effect on the oxidation of Alizarin S by hydrogen peroxide (Estela et al.) 467
Martensite
Shape memory alloys: from high-resolution thermal analysis to predictive modelling and simulation (Torra) 413
Micelle
Partial excess molar properties of water in amphiphile + water systems (Davis) 15
Model
The kinetic analysis of non-isothermal data (Málek) 257
Shape memory alloys: from high-resolution thermal analysis to predictive modelling and simulation (Torra) 413
Kinetic information and models used for its extraction (Vyazovkin) 461
Molten salts
Stabilisation of high oxidation states in basic molten salts (Kerridge) 379
MS
Differential thermal analysis, thermogravimetry and in-source pyrolysis-mass spectrometry studies on the formation of soil organic matter (Leinweber, Schulten) 151
N-donor
Preparation and characterisation of main group and transition metal compounds containing ligands with N- and O-donor atoms (Allan) 355
Nickel compound
Thermal reactions of nickel(II) complexes containing optically active 1,2-cyclohexanediamine in the solid state and a comparison with those of the corresponding complexes with the racemate (Ihara et al.) 327
Non-isothermal
The kinetic analysis of non-isothermal data (Málek) 257
Use of databases in thermal analysis. Part 4 (Reich) 349
Kinetic information and models used for its extraction (Vyazovkin) 461
O-donor
Preparation and characterisation of main group and transition metal compounds containing ligands with N- and O-donor atoms (Allan) 355

Oxidation states
Stabilisation of high oxidation states in basic molten salts (Kerridge) 379
Oxide
Thermoanalytical study on surface reactivity and characterization of oxide powders at elevated temperatures (Ishii) 335
Oxygen heterocyclic compound
Ideal gas thermodynamic properties of oxygen heterocyclic compounds. Part 2. Six-membered, seven-membered and eight-membered rings (Dorofeeva) 121
PAL
Use of databases in thermal analysis. Part 4 (Reich) 349
Paper
Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215
Phase transition
Thermosonimetry and thermomicroscopy of the phase transition and decomposition of $CsClO_4$ (Shimada) 317
Polyesters
Thermogravimetric analysis of polyesters derived from terephthalic, tetrachloroterephthalic and related diacids with bisphenol A (Tagle, Diaz) 281
Polymer
The determination of the composition of polymeric composites using TG–FTIR (Bowley et al.) 309
Thermogravimetric studies of metal (styrene–methyl methacrylate) copolymers. Part 5 (Cárdenas T., Tagle D.) 361
Powder
Thermoanalytical study on surface reactivity and characterization of oxide powders at elevated temperatures (Ishii) 335
Proton
The stability of the proton in water + cosolvent mixtures (Wells) 443
Pyrolysis
Differential thermal analysis, thermogravimetry and in-source pyrolysis-mass spectrometry studies on the formation of soil organic matter (Leinweber, Schulten) 151
Thermal analysis applied to the study of metal complexes: thermal behaviour of 6-amino-2-thiouracil and its complexes with several transition metal ions (Moreno-Carretero et al.) 271
Quartz
Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215
Reactivity
Thermoanalytical study on surface reactivity and characterization of oxide powders at elevated temperatures (Ishii) 335
Resistivity
Common thermal properties of high T_c oxide superconductors (Gavrichev et al.) 87
Rice
Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215
Shape memory
Shape memory alloys: from high-resolution thermal analysis to predictive modelling and simulation (Torra) 413
Soil organic matter
Differential thermal analysis, thermogravimetry and in-source pyrolysis-mass spectrometry studies on the formation of soil organic matter (Leinweber, Schulten) 151
Solid
On methods of studying thermal dissociation of solids (Pysiak, Pacewska) 205
Solvation
Enthalpies of solution of trimethylurea in water and in *N*,*N*-dimethylformamide (Della Gatta, Somsen) 41
Solvent
Some remarks concerning hydrophobic effects parameters (Taniewska-Osińska et al.) 99
Specific heat
Common thermal properties of high T_c oxide superconductors (Gavrichev et al.) 87
Stabilization
Stabilisation of high oxidation states in basic molten salts (Kerridge) 379
Strain
Shape memory alloys: from high-resolution thermal analysis to predictive modelling and simulation (Torra) 413
Stress
Shape memory alloys: from high-resolution thermal analysis to predictive modelling and simulation (Torra) 413
Superconductor
Common thermal properties of high T_c oxide superconductors (Gavrichev et al.) 87
Surface
Thermoanalytical study on surface reactivity and characterization of oxide powders at elevated temperatures (Ishii) 335
Surface area
Some physicochemical properties of aluminium oxides obtained from basic aluminium sulphates (Pacewska) 387

Terracotta
Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215
Tetrazole
The thermal decomposition of tetrazoles (Lesnikovich et al.) 427
TG
Thermodynamics and kinetics of decomposition processes for standard α-amino acids and some of their dipeptides in the solid state (Rodante) 47
Differential thermal analysis, thermogravimetry and in-source pyrolysis-mass spectrometry studies on the formation of soil organic matter (Leinweber, Schulten) 151
A thermoanalytical approach to the interpretation of the proposed isomerism of some nickel(II) benzimidazole complexes (Curini et al.) 169
Twenty-five years of thermochemistry research — a personal review (Hill) 187
Thermal decomposition of gypsum (Paulik et al.) 195
Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215
Thermal analysis applied to the study of metal complexes: thermal behaviour of 6-amino-2-thiouracil and its complexes with several transition metal ions (Moreno-Carretero et al.) 271
The determination of the composition of polymeric composites using TG–FTIR (Bowley et al.) 309
Thermal reactions of nickel(II) complexes containing optically active 1,2-cyclohexanediamine in the solid state and a comparison with those of the corresponding complexes with the racemate (Ihara et al.) 327
Use of databases in thermal analysis. Part 4 (Reich) 349
Thermogravimetric studies of metal (styrene–methyl methacrylate) copolymers. Part 5 (Cárdenas T., Tagle D.) 361
TGA
Thermogravimetric analysis of polyesters derived from terephthalic, tetrachloroterephthalic and related diacids with bisphenol A (Tagle, Diaz) 281
The determination of the composition of polymeric composites using TG–FTIR (Bowley et al.) 309
Thermodynamics
Partial excess molar properties of water in amphiphile + water systems (Davis) 15
Thermodynamics and kinetics of decomposition processes for standard α-amino acids and some of their dipeptides in the solid state (Rodante) 47
Ideal gas thermodynamic properties of oxygen heterocyclic compounds. Part 2. Six-membered, seven-membered and eight-membered rings (Dorofeeva) 121
Thermodynamics of associated solutions involving aniline and ethanol (Nagata, Sano) 475
Thermomicroscopy
Thermosonimetry and thermomicroscopy of the phase transition and decomposition of $CsClO_4$ (Shimada) 317
Thermosonimetry
Thermosonimetry and thermomicroscopy of the phase transition and decomposition of $CsClO_4$ (Shimada) 317
Third virial coefficient
Correlation for the third virial coefficient for non-polar and polar compounds using a cubic equation of state (Besher, Lielmezs) 1
Tin bromoiodide
High-temperature heat capacities of tin(II) chloroiodide and tin(II) bromoiodide (Gardner, Preston) 63
Tin chloroiodide
High-temperature heat capacities of tin(II) chloroiodide and tin(II) bromoiodide (Gardner, Preston) 63
TMA
Twenty-five years of thermochemistry research — a personal review (Hill) 187
Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215
Transition element
Preparation and characterisation of main group and transition metal compounds containing ligands with N- and O-donor atoms (Allan) 355
Transition metal
Thermal analysis applied to the study of metal complexes: thermal behaviour of 6-amino-2-thiouracil and its complexes with several transition metal ions (Moreno-Carretero et al.) 271
Trimethylurea
Enthalpies of solution of trimethylurea in water and in *N*,*N*-dimethylformamide (Della Gatta, Somsen) 41
UNIQUAC
Thermodynamics of associated solutions involving aniline and ethanol (Nagata, Sano) 475
Venus
A computational evaluation of altitude pro-

files of the equilibrium monomeric–dimeric CO_2 fractions in the atmosphere of Venus (Slanina et al.) 33

Wood

Angular and radial temperature profiles in the thermal decomposition of wood (Bilbao et al.) 401

XPS

Thermoanalytical study of mechanically activated cinnabar (Baláž et al.) 371

XRD

Solid-state formation and amorphization of the inclusion compound tri-*O*-methyl-β-cyclodextrin–benzoic acid (Tsukushi et al.) 71

Common thermal properties of high T_c oxide superconductors (Gavrichev et al.) 87

Approach to ancient Chinese artifacts by means of thermal analysis (Wiedemann, Bayer) 215

Thermoanalytical study of mechanically activated cinnabar (Baláž et al.) 371

Zeolites

A thermoanalytical study of the dehydration of NaA, MgNaA, CaNaA and SrNaA zeolites (Yu et al.) 299